Cytometer Performance Report

Cytometer:	FACSCantoII	User:	Administrator
Cytometer Name:	FACSCantoII	Institution:	N/A
Serial Number:	V33896201821	Software:	BD FACSDiva 8.0.2
Input Device:	Carousel	Date:	01/25/2019 01:37 PM
Tube Loaded Manually:	Yes	Cytometer Baseline:	01/02/2019 10:47 AM
Cytometer Configuration:	Euroflow 3-laser, 8-color (4-2-2)	P/F:	Pass

Setup Beads

Bead Product:	CST Setup Beads	Part #:	910859
Lot ID:	72756	Expiration Date:	10/31/2019
Bead Lot Information:	Available		

Detector Settings

Laser	Detector	Parameter	Target Value	Actual Target Value	% Difference Target Value	Bright Bead % Robust CV	Mid Bead Median Channel	Mid Bead % Robust CV
Blue	FSC	FSC	125000	123542	-2	2.81	123632	2.80
Blue	F	SSC	125000	123769	-1	4.54	124690	4.53
Blue	E	FITC	16694	16268	-3	4.28	376	21.43
Blue	D	PE	32792	32096	-3	3.69	709	16.27
Blue	B	PerCP-Cy5-5	44451	44769	0	4.99	1226	22.55
Blue	A	PE-Cy7	33645	33790	0	7.41	614	47.17
Red	C	APC	47008	46724	-1	3.15	1805	13.44
Red	A	APC-Cy7	32298	31806	-2	3.04	797	13.97
Violet	B	V450	8961	8516	-5	5.13	472	15.05
Violet	A	V500	32726	32193	-2	4.88	777	11.59

Detector Settings (Continued)

Laser	Detector	Parameter	Dim Bead Median Channel	Dim Bead % Robust CV	PMTV	Δ PMTV	Qr	Br	P/F
Blue	FSC	FSC	20256	4.45	607	-6	N/A	N/A	Pass
Blue	F	SSC	55918	4.19	578	10	N/A	N/A	Pass
Blue	E	FITC	63	68.96	565	2	0.0163	97	Pass
Blue	D	PE	141	55.60	568	2	0.1292	255	Pass
Blue	B	PerCP-Cy5-5	227	54.52	675	4	0.0077	52	Pass
Blue	A	PE-Cy7	123	116.49	729	3	0.0093	28	Pass
Red	C	APC	415	28.96	613	0	0.0193	165	Pass
Red	A	APC-Cy7	197	31.83	584	-1	0.0048	1260	Pass
Violet	B	V450	70	69.19	476	-10	0.0377	1844	Pass
Violet	A	V500	111	34.33	487	-9	0.0174	341	Pass

Specifications

PMTV Delta from baseline:	50 (BD)
Violet Laser Primary Channel Bright Bead %Robust CV:	6.00 (Recommended)
Blue Laser Primary Channel Bright Bead %Robust CV:	6.00 (Recommended)
Red Laser Primary Channel Bright Bead %Robust CV:	6.00 (Recommended)

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Laser Settings

Laser	Power (mW)	Power Spec. (mW)	Current (mA)	Current Guidelines (mA)	Delay (Trigger on FSC)	Delay (Trigger on Fluorescence)	Area Scaling Factor
Violet	59.55	47.98 - 71.98	N/A	N/A	-33.11	-32.38	1.17
Blue	20.36	16.27 - 24.41	1.26	0.99 - 1.49	0.00	0.00	1.47
Red	18.23	13.60 - 20.40	N/A	N/A	29.29	29.99	1.21

Window Extension: 7.00
FSC Area Scaling Factor: 0.90

Threshold

Threshold (FSC): 12628

Fluidics

FACSFlow Pressure: 3.90 Sample Pressure: 3.60
Spec.: 3.80 - 4.00

Comments